

Incoming
M/035/0009
Leslie

FORM MR-AR
(Revised 11/2008)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple - Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Telephone: (801) 538-5291
Fax: (801) 359-3940

LARGE MINING OPERATIONS 2015 PROGRESS REPORT

January 1, 2015 to December 31, 2015

The information required in this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, and the rules as under the Utah Minerals Regulatory Program.

1. Mine Permit Number: *M/035/0009*
2. Mine Name: *Barneys Canyon*
3. Name of Operator/Permittee: *Kennecott Utah Copper LLC (KUC), Kennecott Barneys Canyon Mining, Canyon Barneys Canyon Mine*

Note: If Operator's address, company representative or phone number have changed, please provide a replacement page for the Notice of Intention.

4. Mine Location:
S1/2 SW1/4, Section 17;
N1/2 NW1/4, W1/2 NE1/4, SE1/4 NE1/4, E1/2 SE1/4 Section 20;
SW1/4 SW1/4, Section 21;
W1/4 NW1/4, Section 28;
NE1/4 NE1/4, Section 29;
Township 3 South, Range 3 West
5. Report the gross amount of ore mined and waste moved, and the disposition of the materials (onsite stockpiles, sold, waste pile, regraded, etc.):

Gross Ore Mined	0	Tons
Waste Material Moved	0	Tons
New Disturbance	1.7	Acres during 2015
Area Reclaimed	0.0	Acres during 2015
Total Disturbed Area	308	Acres*

*Total mine disturbance from the beginning of mining operations through the end of 2015.

Was the ore shipped off site? If not, where is the ore located?

No ore was generated in 2015.

Where is the waste located?

All waste (i.e. waste rock) is located on site.

6. Briefly describe the reclamation work performed during the past year. A map showing reclaimed areas and dates is suggested. (Submit form MR-SITE for an application for full or partial bond/site release).

Field activities associated with reclamation at the Barneys Canyon Mine in 2015 include seep water management, improvements to storm water control, asset disposal, and ongoing daily inspections.

Engineering associated with Barneys Canyon Mine in 2015 include preparation of the Pad 5 Buttress Design Package, preparation of the Pads 1-4 Design Package, preparation of the Barneys Canyon Characterization Report and Site Work Plan, preparation of the Regrade, Cover, and preparation of the Permanent Storm Water 60% Design Package. In addition, the Barneys Canyon Soil Action Level Study was performed in 2015.

Outside of this effort, no reclamation work was performed during the past year. Primarily the disturbed acreage remaining at Barneys Canyon includes the five heap leach pads, leach solution ponds, ore processing building and sulfide ore stockpile.

7. **Include an updated map depicting surface disturbance and reclamation performed during the year**, prepared in accordance with Rule R647-4-105.

See attached Figure "Barneys Canyon Mine M-035-0009 2015 Disturbed and Reclaimed Areas".

I hereby certify, under penalties of law, the information provided in this report is true and correct to the best of my knowledge and belief.

Name (Typed or Print): Steve Schnoor

Title of Operator: Manager – Environment, Land, and Water

Signature of Operator: _____

Date: **January 29, 2016**



pb

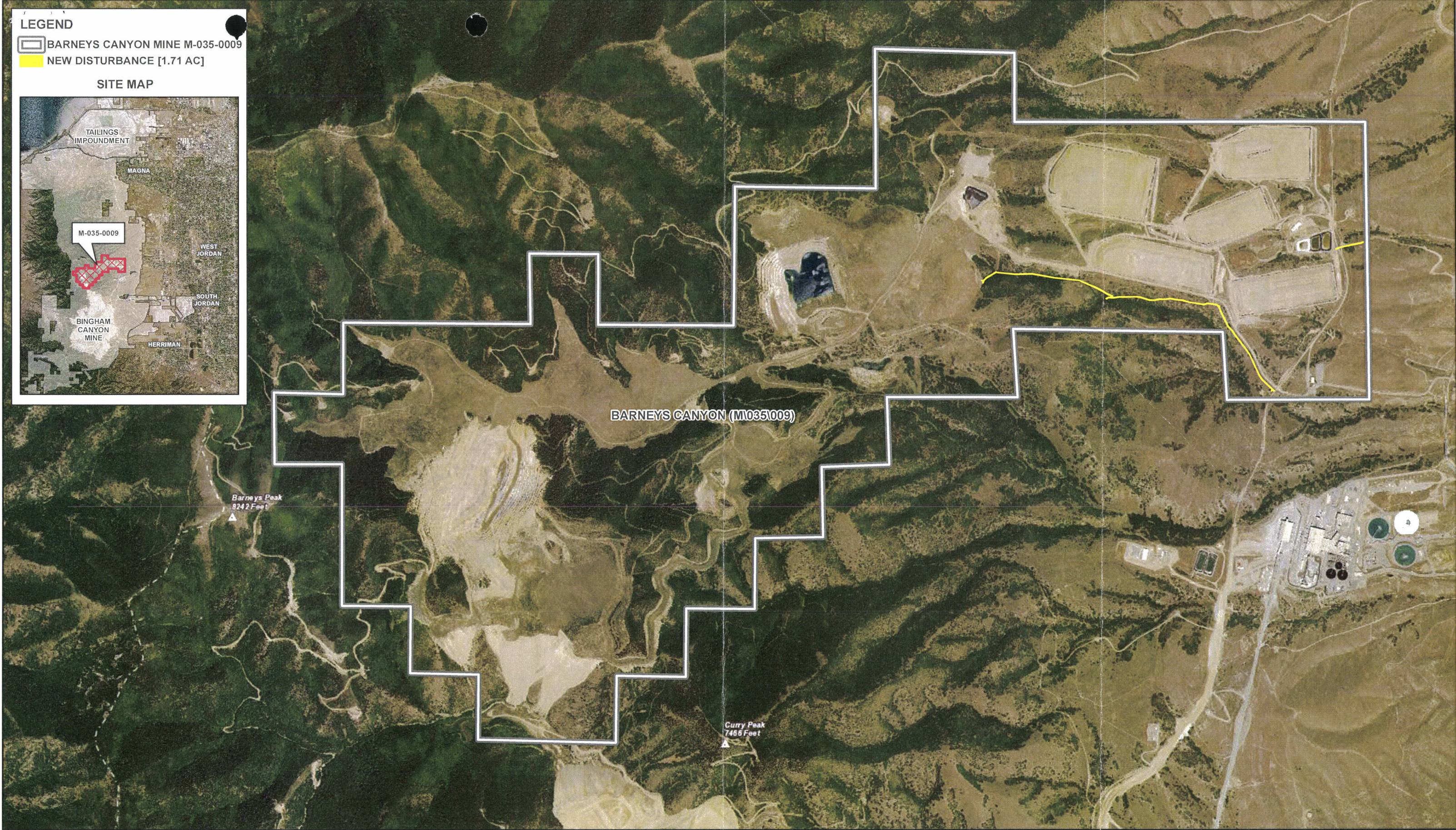
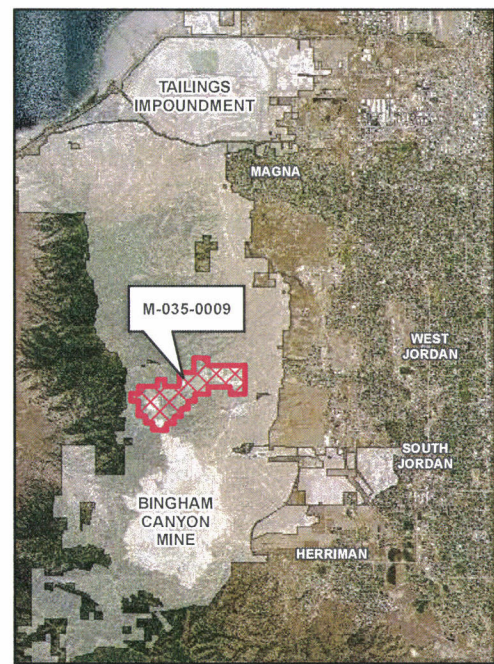
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LEGEND

BARNEYS CANYON MINE M-035-0009

NEW DISTURBANCE [1.71 AC]

SITE MAP



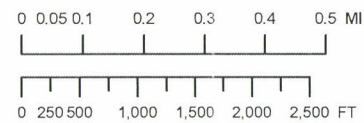
Rio Tinto
Kennecott Copper

DATE: 1/27/2016 12:01:45 PM
CREATED BY: TERESA COCKAYNE
PATH: \\USSLCAP117\GIS_PROJECTS\2016\20160126_DOGM_REPORT\DOGM_BARNEYS_M0350009.MXD
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DIV. OF OIL, GAS & MINING



BARNEYS CANYON MINE M-035-0009
2015 DISTURBED AND RECLAIMED AREAS

M&RP	PLANT	AREA / PROJECT	2015										Additional							
			Planned ^{1,3}																	
			BAT	Experimental	Demolition	Status	% Complete				\$ Expenditure ²	BAT	Experimental	Demolition	Status	% Complete				\$ Expenditure ²
Q1	Q2	Q3					Q4	Q1	Q2	Q3						Q4				
M/035/0002	Bingham Canyon	South End Dumps	(1) Maintain/Enhance Storm Water Controls in newly-constructed basins. (2) Remove top soil/growth media from several of the drainages associated with the South Dumps. (3) Place additional mine waste rock at the base of the South Dumps to address past storm water issues.				(1) 35% (3) 25%	(1) 70% (3) 50%	(1) 90% (3) 75%	(1)100% (2) 0% (3) 100%	\$ 721,510					(1) 25% (2) 25%	(1) 50% (2) 50%	(1) 75% (2) 75%	(1) 100% (2) 100%	
M/035/0002	Bingham Canyon	Store and Release Cover (Keystone)		(1) Continue to collect meteorological and infiltration data from control site (2) Decommission Keystone Control site according to Mine Plan			(1) 25%	(1) 50%	(1) 75%	(1) 100% (2) 100%										
M/035/0002	Bingham Canyon	Reclamation Quality Assessment and Program		(1) Enhance mapping of reclaimed areas (2) Field verification/inspection of 80% of reclaimed areas (3) Field testing of statistical methodology for success and failure				(1) 10% (2) 50% (3) 40%	(1) 40% (2) 100% (3) 40%	(1) 100% (2) 100% (3) 100%										
M/035/0003	Bingham Canyon	East Waste Rock Expansion		(1) Salvage and stockpile native soils associated with the planned placement of additional waste rock at the base of the East Dumps (2) Place additional waste rock at the base of the East Dumps.			(1) 25%	(1) 50% (2) 0%	(1) 75% (2) 50%	(1) 100% (2) 100%	-									-
M/035/0002	South Tailing	Noxious Weed Treatment	Spot treatment for noxious weeds					50%	100%	100%										
M/035/0002	South Tailing	Enhancement of Existing Reclamation	Reclamation treatment and monitoring of 50 acres on the South Impoundment that was previously disturbed by a fire. Various test plots were established.					50%	75%	100%										
M/035/0002	South Tailing	Various Test Plots & Established Vegetation at the South Tailings Impoundment and Various Facilities		Vegetation Monitoring (1) Various test plots associated with South Tailings and various facilities (2) Vegetation condition monitoring across property (native and reclaimed)			(1) 20% (2) 25%	(1) 30% (2) 50%	(1) 30% (2) 75%	(1) 20% (2) 100%										
M/035/0009	Barneys Canyon	Closure Activities	Includes Engineering/Design of reclamation and closed facilities, surveying, decommissioning, storm water control during closure, monitor well installation, seep water capture and conveyance, maintenance of site during closure.		Decommissioning of facilities.		5%	20%	35%	100%	\$ 3,101,960						(1) 0% (2) 0%	(1) 75% (2) 0%	(1)100% (2) 100%	\$ 1,209,308
M/035/0009	Barneys Canyon	Noxious Weed Treatment	Spot treatment for noxious weeds					(1) 50% (2) 50% (3) 50%	(1) 100% (2) 100% (3) 100%	(1) 100% (2) 100% (3) 100%	\$ -									
M/035/0011	Concentrator	Noxious Weed Treatment	Spot treatment for noxious weeds					50%	100%	100%										
M/035/0015	North Tailing (Kennecott Utah Copper Tailing)	Reclamation of North Slope and East Abutment	Reclamation of 68 acres along the North Slope W21-E22 and East Abutment				0%	5%	90%	5%	\$ 2,723,270									
M/035/0015	North Tailing (Kennecott Utah Copper Tailing)	Reclamation Maintenance	Placement of secondary fertilizer on 44 acres on the North Impoundment. Apply biosolids and wood chips to 27 acres along the east abutment, treat 19 acres with limestone on the north slope.				40%	40%	0%	20%	\$ 30,670									
M/045/0004	Carr Fork, Pine Canyon	Entire	None currently planned																	

¹ 2015 Board Presentation and/or 2015 Reclamation Activities Plan
² Expend a minimum average, of \$50,000 – 1978 dollars per year for each three year period, in maintaining a program of experimentation and in the application of BAT toward rehabilitation of land.
Mine BAT/Rec includes rental, maintenance and operation of equipment, seed/seedling, fertilizer/mulch/limestone application and purchase.
³ Information incorporates GHG reclamation activities assessment

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Barneys Canyon Mining Company
P.O. Box 3111
Bingham Canyon, Utah 84006
USA
T 801-569-7110

Steve Schnoor

Manager – Environment, Land, and Water
On Behalf of Barneys Canyon Mine

Mr. Paul Baker, Minerals Program Manager
Division of Oil, Gas & Mining
Utah Department of Natural Resources
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

January 29, 2016

Attn: Ms. Leslie Heppler

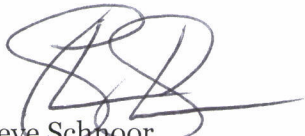
Re: Large Mining Operations 2015 Progress Report
January 1, 2015 to December 31, 2015
M/035/0009
Barneys Canyon Mine

Dear Mr. Baker:

Please find attached Form MR-AR for permit number M/035/0009, Barneys Canyon Mine.

If you have any questions about these annual reports, please contact Trevor Heaton at 801.563.1514.

Sincerely,



Steve Schnoor
Manager – Environment, Land, and Water

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